

NAME

rahisto – print histogram of metrics from **argus(8)** data.

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SYNOPSIS

rahisto [-M *histomode*] -H *bin[L]:range/size* ... [**raoptions**]

DESCRIPTION

Rahisto reads **argus** data from an *argus-data* source, sorts the records based on the criteria specified on the command line, and outputs a valid *argus-stream*.

OPTIONS

Rahisto, like all ra based clients, supports a number of **ra options** including filtering of input argus records through a terminating filter expression. See **ra(1)** for a complete description of **ra options**. **rahisto(1)** specific options are:

-M nozero

Don't print bins that have zero frequencies.

-M outlayer

Print accumulated stats for outlayer values, i.e. the values that are outside the histogram range.

-H metric bin[L]:range / size

Supported metrics are:

dur	record total duration.
avgdur	record average duration.
proto	transaction protocol.
sport	source port number.
dport	destination port number.
stos	source TOS byte value.
dtos	destination TOS byte value.
sttl	src -> dst TTL value.
dttl	dst -> src TTL value.
[s]d]bytes	[src dst] transaction bytes.
[s]d]appbytes	[src dst] application bytes.
[s]d]pkts	[src dst] packet count.
[s]d]meansz	[src dst] mean packet size.
[s]d]load	packets per second.
[s]d]loss	pkts retransmitted or dropped.
[s]d]ploss	percent pkts retransmitted or dropped.
[s]d]rate	bits per second.

INVOCATION

A sample invocation of **rahisto(1)**. This call reads **argus(8)** data from **inputfile** and generates a frequency distribution histogram for the round-trip time of arp volleys in **argus(8)** data, between two hosts in a local area network, a.b.c.d and a.b.c.e.

rahisto -H dur 20:50-150u -r inputfile -M outlayer - arp and src pkts 1 and dst pkts 1

SEE ALSO

ra(1), rarc(5), argus(8),

FILES**AUTHORS**

Carter Bullard (carter@qosient.com).

BUGS